

Amendments to the Abstract:

Please amend the Abstract of the application as follows:

The invention relates to a serial data bus including(10) comprising a data line (12) for transmitting electrical signals representing bit states and a plurality of multi-master subscribers (14, 16) between which messages can be exchanged via the data line (12) in an event-driven manner according to the broadcast principle. At least two subscribers (14, 16) have a transceiver head (18), inductively connected to the data line (12), via which contactless electrical signals (50) are picked up from the data line or transferred thereto. An amplifier (36) is galvanically connected to the data line (12) and is adapted to receive electrical signals (48) that have been inductively transferred by the at least two subscribers (14, 16) to the data line (12) and to feed them back to the data line (12) once amplified. Due to its inductive connection, the data bus is especially low-maintenance and also suitable for hazardous surroundings. The contactless connection makes the data bus (10) especially suitable for use in transport systems in production engineering and generally for use in systems having comprising parts that are mobile relative one another and between which a data exchange is desired.